

SAFETY INFORMATION-----	1-3
INTRODUCTION-----	4-6
SYSTEM CONNECTION-----	7
USING THE SET TOP BOX-----	8-22
First Time Installation	8
Volume Control	8
Channel Select	9
Favorites Channel List.....	10
Rename-----	12
Sort-----	13
Move-----	14
Channel Scan-----	15
Setup Menu-----	16
Timer-----	18
Tools-----	19
EPG(Electronic Program Guide)-----	20
Media Player.....	21
Recording and Timeshifting	22
TROUBLESHOOTING-----	25
SPECIFICATIONS-----	26-27

SAFETY INFORMATION

TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.



CAUTION : To reduce the risk of fire and electric shock, do not remove the cover (or back) of the unit. Refer servicing only to qualified service personnel.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operation and servicing instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT AND FULLY INSERT.

The apparatus shall not be exposed to dripping or splashing, and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

IMPORTANT SAFEGUARDS

In addition to the careful attention devoted to quality standards in the manufacture of your video product, safety is a major factor in the design of every instrument. However, safety is your responsibility, too. This sheet lists important information that will help to assure your enjoyment and proper use of the video product and accessory equipment. Please read them carefully before operation and using your video product.

- Do not overload wall outlets, extension cords or convenience receptacles beyond their capacity, since this can result in fire or electric shock.

- Do not use unsuitable (unprotected) power outlet, this may be dangerous.
- Check the connection regularly. If there is any rupture or failure in the insulation of the cable and the unit, disconnect immediately and have the unit checked by a qualified technician.
- Do not use the power cable connection anywhere near water or liquids, such as bath, sink, swimming pool, laundry tub or inside a wet/moist basement, etc.
- Do not place the unit on an unstable object. The set may fall, causing serious injury to a child or an adult and also serious damage to the unit.
- Never place the unit near or on top of any heat radiating apparatus, such as heaters, ovens, stoves, radiators, fan heaters, amplifiers, etc. Also never expose the unit to direct sunlight as this may lead to the unit overheating.
- Unplug the unit from the wall outlet before cleaning or polishing it. Do not use liquid or aerosol cleaners, alcohol or other cleaning sprays! Use a dry, soft cloth to clean the exterior of the unit only!
- Never place a heavy object onto the unit!
- Do not defeat the safety purpose of the power plug. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. Do not force the plug into the outlet!
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way.
- Switch off the main power when the unit is not in use. (Disconnect the power plug from the power outlet when you do not intend to use the unit for a prolonged period of time). Remove the disc before moving or switching of the unit.
- Do not cover or touch any of the components inside the unit!
- Install the unit on a flat surface with good air circulation. Please ensure the ventilation holes are not covered, otherwise the unit will overheat and malfunction.
- Read through this manual before installation and use.

SAFETY INFORMATION



Double insulation
This is class II apparatus

where the MAINS plug is used as the disconnect device, the disconnect device shall remain readily operable.

Warning: "batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

MAINS SUPPLY	~220V-240V 50/60Hz
OVERLOADING	Do not overload wall outlets, extension cords or adapters as this can result in fire or electrical shock.
LIQUIDS	Keep liquids away from the STB.
CLEANING:	Before cleaning, disconnect the STB from the wall socket. Use a cloth lightly dampened with water(no solvents) to clean the exterior.
VENTILATION:	Do not block the STB ventilation holes. Ensure that free airflow is maintained around the STB. Never store the STB where it is exposed to direct sunlight or near heating equipment e.g. a radiator. Never stack other electronic equipment on top of the STB. Place the STB at least 30mm from the wall.

SAFETY INFORMATION

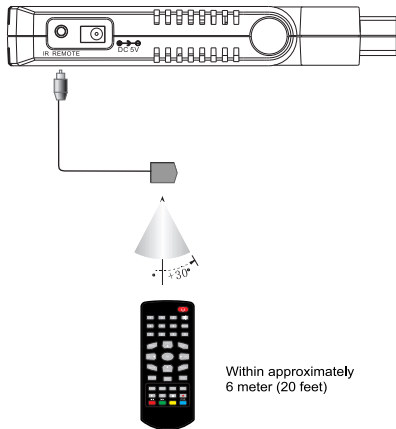
ATTACHMENTS:	Do not use any attachment that is not recommended by the manufacturer; it may cause a hazard or damage the equipment.
CONNECTION TO THE CABLE TV SIGNAL AND TV:	Connect all components before plugging any power cords into the wall outlet. Always turn off the STB, TV and other components before you connect or disconnect any cables.
SERVICING	Do not attempt to service this product yourself. Any attempt to do so will make the warranty invalid. Refer all servicing to a qualified service agent.
LIGHTNING	If the STB is installed in an area subject to intense lightning activity, protection devices for the STB mains connector are essential. The individual manufacturer's instruction for safeguarding other equipment, such as TV set, Hi-Fi, etc., connected to the STB must also be followed during lightning storms.

Note:

Dispose the used batteries at designated place for environment protection

INTRODUCTION

Remote control



Safety:

Please read this operation manual before you use STB. to avoid electric shock or fire hazard, do not open the cabinet. Use a cloth lightly dampened with water for cleaning the exterior of the unit. unplug the unit from the wall outlet if you don't use it long time. please don't touch power line with wetness hand. do not place it in a hot location and place it in ventilation location. turn off the power before connect antenna.

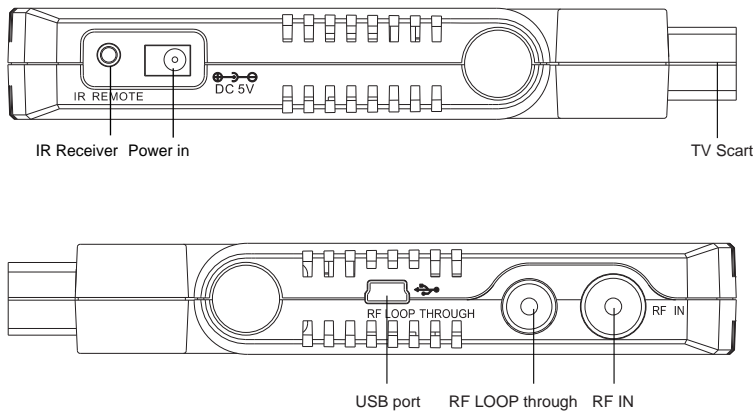
Accessory:

Remote Control: 1
User Manual: 1

BE ENVIRONMENTALLY FRIENDLY

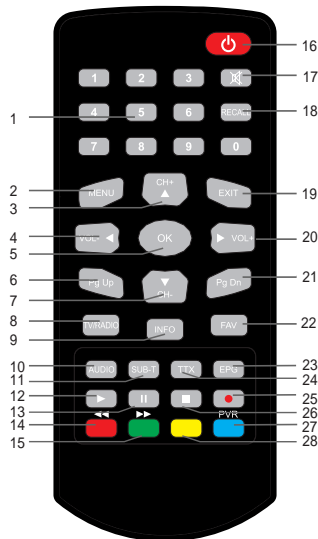
Do not dispose batteries as normal rubbish. Be environmentally friendly, dispose batteries following the Government's regulation.

Connection interface

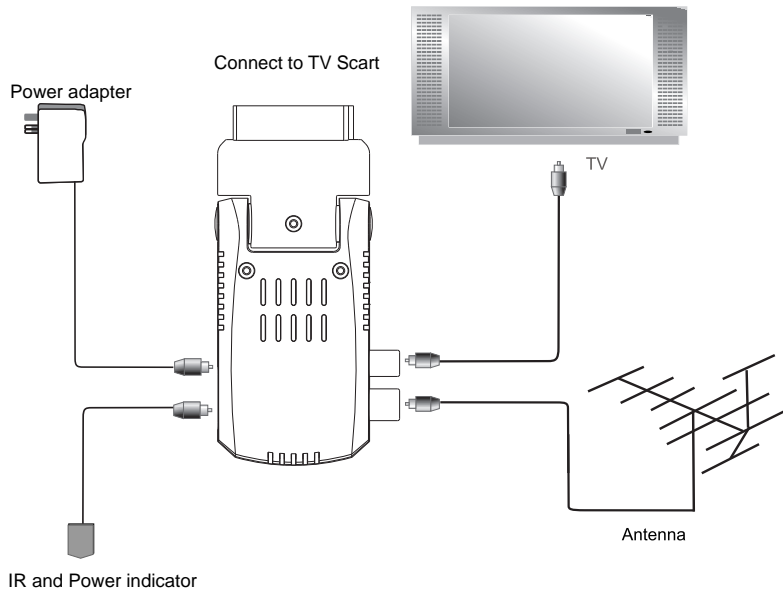


INTRODUCTION

REMOTE CONTROL

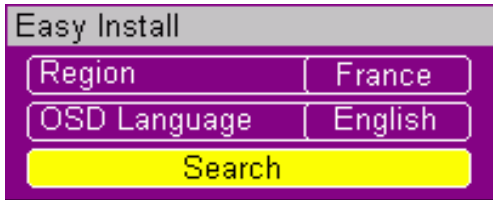


SYSTEM CONNECTION



1. First Time Installation

1. When the Set Top Box is switched on for the first time, a "Welcome Page" will be displayed.





2. Use the arrow keys ▲▼◀▶ to select the "Region" and "OSD Language".
3. Move highlight to "Search" button and press "OK" to begin the channel scan.

2. Volume Control

Use the "VOL+" and "VOL-" keys to increase or decrease the volume.

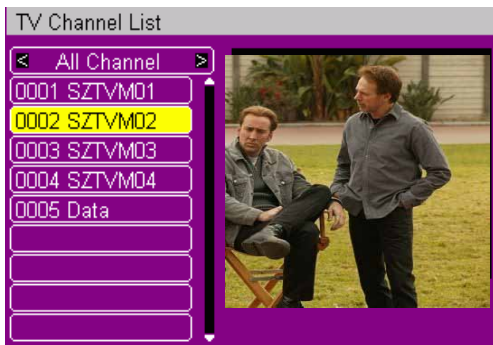


By pressing the "Mute"  key, the audio will be turned off. Press the "Mute"  again or press the Volume Keys to turn on the audio.

3. Channel Select

You can change the channel in different ways:

1. Press the "OK" key to display the List of Channels.



Use the arrow keys▲ " o▼ " to navigate through the channel list. When you reach the channel you want to watch, Press "OK" key.

2. By pressing the channel key CH+ or CH-.
3. By entering the number to select the desired channel.
4. By pressing the "Recall" key to return to the previous channel you watched.

4. *Favorites Channel List*

Create the Favorite Channel List

You can create up to 8 Favorite Channel groups. Press OK key to display the channels' list and set on the desired channel.

Press "1" to edit the channel. 8 favorite channel groups will appear.

With CH+/- channels set on desired group press "OK" key to assign the channel to that group.

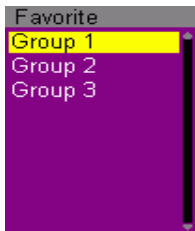


Switch the All Channel List and Favorites Channel List

In the Channel List, press the "◀" or "▶" key to switch "All Channel List" and different "Favorites Channel List"

Switch between the different Favorites Channel List

Press the "FAV" key, a Favorites Channel Group List will be displayed for select.



5. *Rename*



In the "TV Channel List", press "1" to edit the channel.

Pressing number [5] key, it will show a "Rename" window and you can rename the highlighted channel.

Press [Up][Down][Left][Right] key to move the highlight in "Rename" window. Press [OK] to input char.

Move the highlight to "OK" and press [OK] key to save the modification.

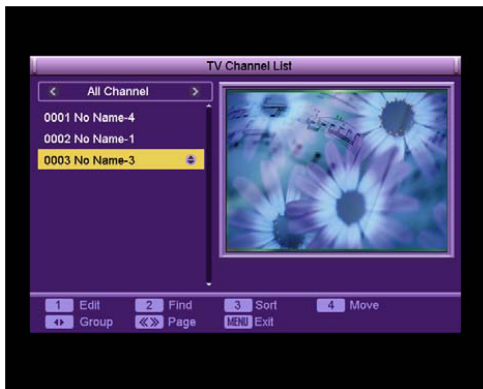
Move the highlight to "ESC" and press [OK] key to cancel the operation.

6. Sort



In the "TV Channel List", press "3" to sort channel.
 Press [Up] or [Right] key to move the highlight and press [OK] to select sort type such as Default/
 Name(A-Z)/ Name(Z-A)/ FTA/ Lock.

7. Move



In the "TV Channel List", press "4" to move channel.

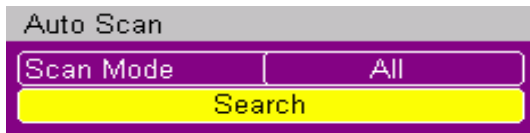
Press number key [4] , there will show a "moving mark" in the right side of the selected channel like above.

You can move the selected channel to the position that you want to place by press [Up/Down] key. And press [OK] key to confirm your decision.


8. Channel Scan

There are two different ways to Scan Channels.

In the Main Menu*Installation*Auto Scan, Move the highlight bar to "search" button. Press [OK] key to scan all the Channels.



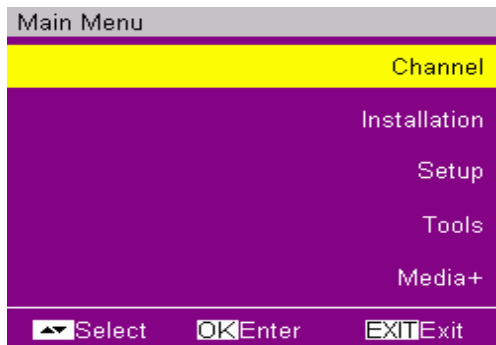
In Main Menu*Installation*Channel Scan, set the appropriate parameter. Move the highlight bar to "search" button. Press [OK] key to scan Channels.

Channel Scan	
Scan Mode	By Channel
Scan Band	UHF
Ch No.	52(722.000MHz)
Frequency	722.000
BandWidth	8 MHz
Search	
Signal Intensity	<div><div></div></div> 51%
Signal Quality	<div><div></div></div> 97%
 Select	OK Enter
	EXIT Exit

Tuner setting: choose off for home external antenna; choose on for powered antenna.

9. Setup Menu

Press the "MENU" key to activate the main menu. Select the "Setup" option and press the "OK" key to enter the menu.



Change the OSD Language

Change the TV system: PAL/NTSC mode; 16:9/4:3 aspect ratio; video RGB/CVBS; Icn on/off.

Setting the region and time

Timer Setting: for more information, refer to the next section.

Setting OSD attribute

Parent Lock Setting:

Channels or Menu operations can be locked using password. The original password is "0000".
The universal password is "3330".

10. Timer

In Main Menu * Setup *Timer Setting, there are two options: Program Timer and Sleep Timer. With CH+/- and VOL+/- buttons you can enter the submenus and adjust the settings.

Program Timer	
Mondy,11/03/2008,8:40	
Timer Number	1
Timer Mode	Once
Timer Service	TV Service
Wakeup Channel	SZTVM01
Month	11
Date	3
Day	Mondy
Time	12:34
Auto Record	Off
Record Duration	02:00
Select	Enter
	Exit

Program Timer:

In this section, it is possible to set up to max 8 timer which allows the unit automatically turn on and recording.

Timer Number: it is possible to set up to 8 timer

Timer Mode: it is possible to set timer (once - daily - weekly - monthly - off)

Timer Service: set TV service or Radio service

Wakeup Channel: set the channel you want the unit to turn it on and/or recording

Month: set the month

Date: set the date

USING THE SET TOP BOX

Day: set the day of the week

Note: month, date, day are active based on Timer mode

Time: set the time

Auto Record: set ON/OFF

Record Duration: in recording mode set to ON set the duration, press OK and adjust the time with numeric buttons then press OK button again to confirm, press Exit to exit and save the inserted data.

Sleep Timer: In this menu, you can set a time duration before the Set Top Box get into Standby mode. The time duration is from 10min to 120min.

OSD setting:

Subtitle display: set subtitles On/Off (the function must be supported by the TV channel)

OSD transparency: it is possible to set the OSD transparency from 10 to 50% or set to Off.

Load default OSD setting: press OK to return to default OSD settings.

Parent lock:

in parent lock mode press OK button, you will be asked a password ("0000" or "3330") a window will pop up where you can lock a menu or a channel.

It is also possible to change the default password with a new one, in case you forgot the new password set you can insert again the default password.

11. Tools

Receiver info: technical data about the receiver

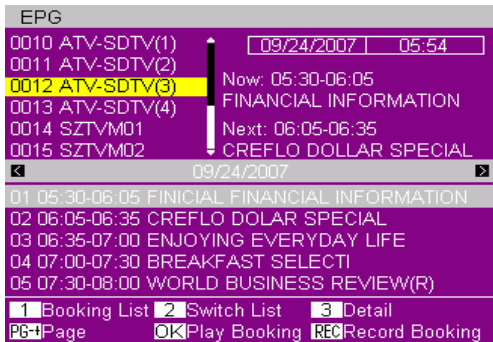
Game: there are three games (Tetris, Snake, Othello)

Load default settings: insert the new password or default one and confirm to return to default settings.

Software Upgrade: the upgrade file will be available on www.dicra.com website only when the unit will need it.

12. EPG(Electronic Program Guide)

Press the "EPG" key to display all the information of the Channels.



The following operations can be used in the EPG menu:

Switch List: Press "2" to switch between program list and event list

Play Booking: Select the Event and Press "OK" to book for play

REC Booking: Select the Event and Press "REC" to book for record.

Booking List: Press "1" to display the booking list

13. Media Player

USB flash disk/USB hard disk is supported on this Set Top Box. But when a USB hard disk is used, please use a power adapter to connect the hard disk driver.

1. When USB disk is mounted, you can enter Main Menu*Media+*Media Player menu to play music, MP3 and WMA, video or browse pictures JPEG.



2. In Main Menu*Media+*PVR Manage, the recorded video files are listed on the display. You can Lock, delete or Rename the files or press [OK] key to play.
3. In Main Menu*Media+*Storage Manager, you can select the USB disk .

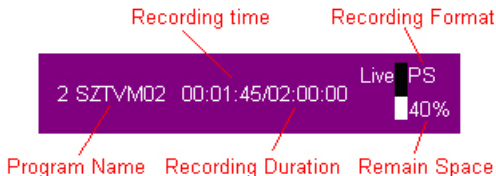
For the Recording or Time shift functions, a USB High Speed disk is needed. 1 hour video recording will need about 2Gbytes space. (The storage space is related to the program content.)

14. Recording and Timeshifting

An USB disk is needed to record and to use the timeshifting function.

14.1. Recording

After pressing the [REC] key, the recording begins and a "REC" bar appears.



The default recording duration is 2 hours. When "REC" bar is displayed, press "REC" key, and a "Record Duration box" appears, press [OK] key and you can set the recording duration. Press [OK] key again to confirm and then [EXIT] key to exit duration setup.

When "REC"Bar is displayed, press [EXIT] key then the "REC" bar will disappear. A "REC" icon is displayed on the up-left corner.

To stop the recording, Press [STOP] key and after you confirm, the recording will stop. We advise to use USB high speed item(USB disk or HD) to record, the compatibility with all USB itehs in the market is not warranted. The supported system files are FAT, FAT32, NTFS.

14.2 Timeshifting (512MB minimum free space)

If you set timeshift to "OFF" and you press pause button, the program will be paused only. To activate the Timeshifting function, you need to confirm that the "TimeShift" in "Main Menu*Media+*PVR configuration* is "On".

The video data will be stored in the "Timeshift Buffer". When the Set Top Box is in timeshifting mode, you can rewind and watch the program from the beginning while the unit is still recording, you just have to pause the program and start watching again whenever you want pressing play button.

Using the "PLAY" "PAUSE" "FB" "FF" "SF" keys, you can watch/pause/fast backward/fast forward/slow forward the program.

Pressing the "STOP" key, will exit the timeshifting mode and return to the live program.

14.3 PVR Configuration

In the "Main Menu*Media+*PVR configuration" menu, you can set the following functions:

PVR Configuration	
Preferred Storage	USB Device
TimeShift Time (min)	50
Record Type	TS
Standby Mode	On
TimeShift To Rec)	Off
TimeShift	◀ On ▶
EXIT Exit	

USING THE SET TOP BOX

1. Preferred Storage: USB partition (select the logic unit to store the data)
2. TimeShift Time (min): you can reserve the time of Timeshifting. From 10 to 60 minutes.
3. Record Type:
 - "TS"*Transport Stream format(*.dvr). This format can only be played in Set Top Box.
 - "PS"*Program Stream format(*.mpg). This format can be played in your computer.
4. Stand-by mode: In this mode it is possible to record and/or watch a program.
5. TimeShift To Rec:
 - "On"*When you press "REC" key, the data in timeshift buffer will be stored in the recorded file.
 - "Off"*When you start to record, it just records from the current time.
6. TimeShift:
 - "On"enable the Timeshifting
 - "Off"disable the Timeshifting

Disc format: System file FAT or NTFS.

Note:

Please don't remove the recording device before it is unmounted.

TROUBLESHOOTING

In some region, the digital terrestrial signal may be weak. So you'd better use the antenna in which the booster was built, for watching the weak signal channels.

Problem	Possible cause	What to do
No signal found	Aerial is disconnected Aerial is damaged/misaligned Out of digital signal area	Check aerial lead Check aerial Check with dealer
No picture or sound	Tuned to digital teletext channel	Turn to another channel
Scrambled channel message	Channel is scrambled	Select alternative channel
No response to remote control	Receiver off Handset not aimed correctly Front panel obstructed Hand set batteries exhausted	Plug in and turn on plug Aim handset at front panel Check for obstructions Replace handset batteries
Forgotten channel lock code		Delete locked channel and scan channels again.
Forgotten menu lock code		Contact help line Try the super code : "3330"
After moving the STB to another room you find you are no longer able to receive digital reception	The aerial feed former new point may come through a distribution system which may reduce the digital signal now received by the box.	Try a direct feed from the antenna

SPECIFICATIONS

<u>TUNER & CHANNEL</u> BAND WIDTH DEMODULATOR	RF INPUT CONNECTOR x1 (D-TYPE, IEC169-2, FEMALE) RF OUTPUT CONNECTOR x1 (D-TYPE, IEC169-2, MALE (LOOPTHROUGH)) FREQUENCY RANGE: 174MHz ~ 230MHz (VHF) & 470MHz ~ 862MHz (UHF) SIGNAL LEVEL: -10 ~ -70 dbm 7/8 MHZ COFDM
<u>DECODER</u> TRANSPORT STREAM PROFILE LEVEL DECODER MODULE INPUT RATE VIDEO FORMATS Audio Format VIDEO OUTPUT MEDIA PLAYER	MPEG-2 ISO/IEC 13818-1 MPEG-2 MAIN PROFILE @MAIN LEVEL, PAL-NTSC-AUTO MAX. 15Mbit/s 4:3/16:9 SWITCHABLE MPEG Layer I & II, 32 / 44.1 / 48KHz CVBS,RGB JPEG*BMP*MP3*MPG(MPEG2)

SPECIFICATIONS

<u>CONNECTION</u> MAIN POWER CABLE TUNER SCART USB	 FIXED TYPE ANTENNA INPUTx1, RF OUTPUT x1 TV x1 USB2.0 HIGH SPEED X1
<u>POWER SUPPLY</u> INPUT VOLTAGE MAIN UNIT POWER CONSUMPTION CONFORMITY	 ~ 220V-240V 50/60Hz DC5V IN, 1000mA MAX. 5W (1W STAND-BY MODE) ETSI EN 300 744 DVBT COMPLIANCE

